

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2016 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD0817</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0817 Carlin</b>	<b>U</b>	<b>8.99</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	10.30	0.26	11.34	126.14%	0.01			
Trim / Thin Trees	0.02		0.02	0.22%				
Encroachments					2.51			
Slope Stability							1.10	
Erosion / Bank Caving	0.01		0.01	0.11%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.26	0.08		
<i>LMA Totals:</i>	10.33	0.26	11.37	126.47%	2.78	0.08	1.10	0.00

<b>Unit No. 01 South Dry Creek LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0817</b>	<b>A</b>	<b>3.81</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.07			
<i>Supplemental</i>								
DWR UCIP Field Study					0.19	0.02		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.26	0.02	0.00	0.00

<b>Unit No. 02 Bear River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0817</b>	<b>U</b>	<b>3.86</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	7.60		7.60	197.08%	0.01			
Encroachments					0.02			
Slope Stability							1.10	
Erosion / Bank Caving	0.01		0.01	0.26%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	7.61	0.00	7.61	197.34%	0.07	0.02	1.10	0.00

<b>Unit No. 03 South Dry Creek RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0817</b>	<b>U</b>	<b>1.32</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	2.70	0.26	3.74	283.47%				
Trim / Thin Trees	0.02		0.02	1.52%				
Encroachments					0.42			
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.04		
<i>Unit Totals:</i>	2.72	0.26	3.76	284.98%	0.45	0.04	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2016 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	3.81
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/26/2016 - 4/26/2016		10/19/2016 - 10/19/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0817_01_f_2014_5				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR .					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0817_01_s_2013_9				
Comment Code					
Inspector Comment					
The manuals are located at Tom Englers office and at Joe Conant's office.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0817_01_s_2013_10				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	0.00	Rating **	A	Issue No.	27
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984674 °	39.019128 °
				-121.506111 °	-121.455627 °
DWR ID	DWR_RD0817_01_f_2016_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained vegetation, Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_12\_27\_20161025\_00018.jpg



View of well maintained vegetation on the waterside looking downstream. Fall 2016.

LM Start	0.00	Rating **	A	Issue No.	26
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984674 °	39.019129 °
				-121.506111 °	-121.455623 °
DWR ID	DWR_RD0817_01_f_2016_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained vegetation, Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_12\_26\_20161025\_00019.jpg



View of well maintained vegetation on the landside looking downstream. Fall 2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	0.20	Rating **	C	Issue No.	28
LM End	0.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.987107 °	38.987107 °
				-121.504274 °	-121.504274 °
DWR ID	DWR_RD0817_01_s_2016_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree that had fallen during Spring 2016 Inspection has been removed, Fall 2016.					

No Photos

LM Start	0.29	Rating **	M	Issue No.	32
LM End	0.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987813 °	38.987813 °
				-121.502963 °	-121.502963 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42685 DS_ID:18985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through levee, 23.3 feet below the crown. Flap gate on waterward end. FS Date: 4/16/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_42685\_19865.jpg



WS- pipe, flap gate in dense vegetation on berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	0.29	Rating **	M	Issue No.	32 (cont)	
LM End	0.29	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.987813 °	38.987813 °	
				-121.502963 °	-121.502963 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42685 DS_ID:18985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through levee, 23.3 feet below the crown. Flap gate on waterward end. FS Date: 4/16/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_42685\_19864.jpg



WS- CM pipe and flap gate

LM Start	0.55	Rating **	U	Issue No.	33
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989890 °	38.989890 °
				-121.498850 °	-121.498850 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41299					
DS_ID:18999					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23.					
FIELD_STRUCT_DESC: 8-5/8 pipe through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	0.56	Rating **	M	Issue No.	44
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989990 °	38.989990 °
				-121.498710 °	-121.498710 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41411 DS_ID:19000 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No markers were found. Dense vegetation limits inspector's visibility along waterward and landwar slopes. FIELD_STRUCT_DESC: 16-inch gas line throught levee, 2.9 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

No Photos

LM Start	0.63	Rating **	U	Issue No.	45
LM End	0.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990650 °	38.990650 °
				-121.497720 °	-121.497720 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41412 DS_ID:19001 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Dense vegetation present on both sides of the levee slopes. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	0.83	Rating **	M	Issue No.	39
LM End	0.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.992540 °	38.992540 °
				-121.494920 °	-121.494920 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41321 DS_ID:19002 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 36-inch pipe through levee. Flapgate on waterside. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

No Photos

LM Start	1.04	Rating **	M	Issue No.	40
LM End	1.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.994640 °	38.994640 °
				-121.492120 °	-121.492120 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41322					
DS_ID:18986					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: *REMOVED* 18-inch pipe through the levee, 13 feet below the crown. (Removed in 1989).					
FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	1.13	Rating **	M	Issue No.	46
LM End	1.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995667 °	38.995667 °
				-121.490981 °	-121.490981 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44084 DS_ID:25088 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 4 feet below levee crown. FS Date: 3/19/2015					

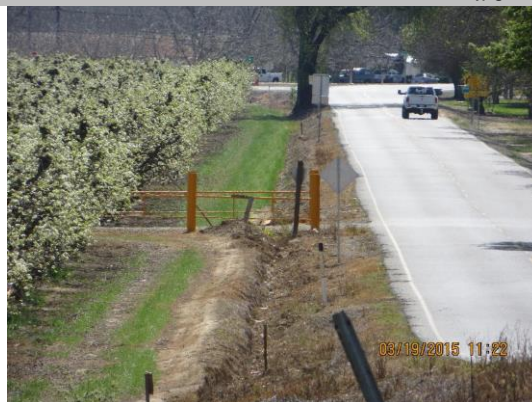
Photo 1 of 2 : UCIP\_FA\_2016\_44084\_73565.jpg



Communication conduit visible on upstream side of bridge.

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2016\_44084\_73564.jpg



Fiberoptic line markers along roadway to south of bridge.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	1.14	Rating **	M	Issue No.	47
LM End	1.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995739 °	38.995739 °
				-121.490894 °	-121.490894 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44085 DS_ID:18997 EP_NO: 1454 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Pipe Abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 24-inch diameter CMP drainage pipe through the levee 17-feet below the crown. Slidegate on WS slope (Permit No. 1454, 1949). Pipe Abandoned in place and covered with soil per RD 817 Rep. FS Date: 3/26/2015					

No Photos

LM Start	1.34	Rating **	M	Issue No.	29
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997961 °	38.997961 °
				-121.488455 °	-121.488455 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41153 DS_ID:18987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_41153\_19882.jpg



WS- overview of WS area

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	1.34	Rating **	M	Issue No.	29 (cont)	
LM End	1.34	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.997961 °		38.997961 °
				-121.488455 °		-121.488455 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41153 DS_ID:18987 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_41153\_19881.jpg



WS- closer look at damaged slide gate on WS

LM Start	1.62	Rating **	M	Issue No.	31
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41157 DS_ID:18988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A burried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_41157\_19892.jpg



WS- overview of WS berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	1.62	Rating **	M	Issue No.	31 (cont)	
LM End	1.62	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.001340 °		39.001340 °
				-121.485740 °		-121.485740 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41157 DS_ID:18988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A burried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_41157\_19891.jpg



WS- slide gate

LM Start	1.74	Rating **	M	Issue No.	8
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.002941 °	39.019763 °
				-121.484856 °	-121.454151 °
DWR ID	DWR_RD0817_01_s_2013_8				
Comment Code					
FE : Fence					
Inspector Comment					
Wire fence at L/S levee toe. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_12\_8\_20161025\_00017.jpg



Wire fence at L/S levee toe. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	1.86	Rating **	M	Issue No.	41
LM End	1.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.004520 °	39.004520 °
				-121.483960 °	-121.483960 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41323					
DS_ID:19003					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch pipe through levee. Vertical Pump on WS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

LM Start	2.06	Rating **	M	Issue No.	34
LM End	2.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006760 °	39.006760 °
				-121.481670 °	-121.481670 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41312					
DS_ID:19004					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 11.5 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	2.29	Rating **	M	Issue No.	30
LM End	2.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008353 °	39.008353 °
				-121.477963 °	-121.477963 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41156 DS_ID:18989 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A burried slide gate found on WS. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 8-inch corrugated metal drainpipe through levee, 11.7 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. (Permit 16193, 1994, was issued for the removal of this crossing, but slidegate appears to remain on WS toe. FS Date: 4/16/2013					

Photo 1 of 1 : UCIP\_FA\_2016\_41156\_19895.jpg



WS- slide gate on levee toe.

LM Start	2.30	Rating **	M	Issue No.	36
LM End	2.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008425 °	39.008425 °
				-121.477775 °	-121.477775 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41318 DS_ID:18993 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	2.39	Rating **	M	Issue No.	42
LM End	2.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008980 °	39.008980 °
				-121.476260 °	-121.476260 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41324					
DS_ID:19005					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch pipe through levee. Vertical Pump on WS. 2.8 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

LM Start	2.64	Rating **	M	Issue No.	37
LM End	2.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010523 °	39.010523 °
				-121.472070 °	-121.472070 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41319 DS_ID:18994 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	2.65	Rating **	M	Issue No.	49
LM End	2.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010584 °	39.010584 °
				-121.471902 °	-121.471902 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47111					
DS_ID:18990					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Pipe Abandoned in place and should be done so properly. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: *REMOVED* 18-inch corrugated metal drainpipe through the levee, 10.5 feet-below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. (Permit 16193, 1994, was issued for the removal of this crossing).					
FS Date: 3/26/2015					

No Photos

LM Start	2.68	Rating **	M	Issue No.	43
LM End	2.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010770 °	39.010770 °
				-121.471400 °	-121.471400 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41325					
DS_ID:19006					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee. Pump on LS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	2.96	Rating **	M	Issue No.	38
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012500 °	39.012500 °
				-121.466700 °	-121.466700 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41320 DS_ID:18995 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

LM Start	2.96	Rating **	M	Issue No.	48
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012552 °	39.012552 °
				-121.466538 °	-121.466538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43946					
DS_ID:18992					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly.					
FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 13.7-feet below the crown. Flap gate on the waterward end.					
O&M Manual Sac 146, November 1962.					
FS Date: 3/26/2015					

Photo 1 of 2 : UCIP\_FA\_2016\_43946\_73422.jpg



Pipe and flapgate visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/19/2016 10/19/2016	Sterling York

LM Start	2.96	Rating **	M	Issue No.	48 (cont)
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012552 °	39.012552 °
				-121.466538 °	-121.466538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43946 DS_ID:18992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 13.7-feet below the crown. Flap gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 3/26/2015					

Photo 2 of 2 : UCIP\_FA\_2016\_43946\_73421.jpg



Pipe and flapgate visible on WS toe.

LM Start	3.69	Rating **	M	Issue No.	35
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.018890 °	39.018890 °
				-121.455920 °	-121.455920 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41316					
DS_ID:19007					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 18-inch pipe through levee. Flapgate on WS. 12 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	3.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/26/2016 - 4/26/2016		10/19/2016 - 10/19/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	0.01	Rating **	C	Issue No.	7
LM End	3.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984582 °	38.993173 °
				-121.506061 °	-121.437835 °
DWR ID	DWR_RD0817_02_s_2016_7				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown vegetation growth has been removed and new aggregate base placed for an effective all weather surface. Fall 2016.					

No Photos

LM Start	0.06	Rating **	M	Issue No.	14
LM End	3.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984088 °	38.993400 °
				-121.505366 °	-121.437366 °
DWR ID	DWR_RD0817_02_f_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grass needs to be maintained, Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_13\_14\_20161025\_00020.jpg



View of annual grass that needs to be maintained on the waterside looking upstream, Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 0817 Carlin



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	0.99	Rating **	M	Issue No.	23 (cont)	
LM End	0.99	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.985571 °	38.985571 °	
				-121.488209 °	-121.488209 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44064						
DS_ID:19008						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipe appears abandoned and if so should be done so properly. Concrete standpipe filled with soil.						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch pipe through levee, 13.5 feet below crown. No control valves. Hole in pipe at landward toe. 36-inch concrete riser at landward toe. Concrete standpipe at landward toe.						
FS Date: 4/1/2015						

Photo 2 of 2 : UCIP\_FA\_2016\_44064\_73541.jpg



Concrete standpipe visible on lower slope of LS toe.

LM Start	1.29	Rating **	U	Issue No.	18
LM End	1.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.986150 °	38.986150 °
				-121.482770 °	-121.482770 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41302 DS_ID:19013 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/17/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Reclamation District No. 0817 Carlin

View of the homeowners landscape vegetation creeping up the landside levee slope, looking upstream. Fall 2016.

Page 4 of 11

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	1.77	Rating **	U	Issue No.	19
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987920 °	38.987920 °
				-121.474080 °	-121.474080 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41304					
DS_ID:19015					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB).					
FIELD_STRUCT_DESC: 8-5/8-inch gas line through the levee, 3 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/17/2013					

No Photos

LM Start	1.95	Rating **	M	Issue No.	16
LM End	1.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.988733 °	38.988733 °
				-121.470934 °	-121.470934 °
DWR ID	DWR_RD0817_02_f_2016_16				
Comment Code					
PR : Prunings					
Inspector Comment					
Puning pile needs to be removed from levee toe, Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_13\_16\_20161025\_00023.jpg



View of pruning pile at landside levee toe. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	2.01	Rating **	M	Issue No.	3
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.989030 °	38.989030 °
				-121.469864 °	-121.469864 °
DWR ID	DWR_RD0817_02_s_2016_3				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment encroaching onto the landside toe is still the same for Fall 2016 inspection.					

Photo 1 of 1 : FA\_2016\_RD0817\_13\_3\_20160906\_00001.jpg



Photo of equipment encroaching onto the landside toe. This is still the same for Fall 2016 inspection.

LM Start	2.05	Rating **	M	Issue No.	21
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989212 °	38.989212 °
				-121.469137 °	-121.469137 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46182 DS_ID:25095 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for crossing. FIELD_STRUCT_DESC: 2-inch galvanized iron waterline through the levee at an unknown depth below the crown. Hose bib at WS toe. Possible connection at building corner on LS. FS Date: 4/1/2015					

Photo 1 of 2 : UCIP\_FA\_2016\_46182\_74559.jpg



Pipe and hose bib visible in tall grass at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	2.05	Rating **	M	Issue No.	21 (cont)
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989212 °	38.989212 °
				-121.469137 °	-121.469137 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46182 DS_ID:25095 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for crossing. FIELD_STRUCT_DESC: 2-inch galvanized iron waterline through the levee at an unknown depth below the crown. Hose bib at WS toe. Possible connection at building corner on LS. FS Date: 4/1/2015					

Photo 2 of 2 : UCIP\_FA\_2016\_46182\_74560.jpg



Possible source on LS at building corner.

LM Start	2.08	Rating **	M	Issue No.	10
LM End	3.18	Issue Type +	Ob	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.989338 °	38.994124 °
				-121.468640 °	-121.449448 °
DWR ID	DWR_RD0817_02_s_2012_10				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The levee is oversteepend at this location. The LMA states that it has always been like this and the USACE did not finish constructing the levee here.					

Photo 1 of 2 : FA\_2016\_RD0817\_13\_10\_20160906\_00005.jpg



Levee mile 2.08, this photo shows the slope is less than required, this is the downstream limit of the site, this is the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	2.08	Rating **	M	Issue No.	10 (cont)	
LM End	3.18	Issue Type +	Ob	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.989338 °		38.994124 °
				-121.468640 °		-121.449448 °
DWR ID	DWR_RD0817_02_s_2012_10					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
The levee is oversteepened at this location. The LMA states that it has always been like this and the USACE did not finish constructing the levee here.						

Photo 2 of 2 : FA\_2016\_RD0817\_13\_10\_20161025\_00024.jpg



Photo of approximately the same location of Fall 2016, looking upstream where the waterside slope is steep and less than required.

LM Start	2.11	Rating **	M	Issue No.	22
LM End	2.11	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989495 °	38.989495 °
				-121.468100 °	-121.468100 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44105 DS_ID:19010 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through the levee, 1.5 feet below the crown. Concrete bulkhead on the landward slope. FS Date: 4/1/2015					

Photo 1 of 2 : UCIP\_FA\_2016\_44105\_73586.jpg



Pipe visible on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	2.11	Rating **	M	Issue No.	22 (cont)
LM End	2.11	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989495 °	38.989495 °
				-121.468100 °	-121.468100 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44105 DS_ID:19010 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through the levee, 1.5 feet below the crown. Concrete bulkhead on the landward slope. FS Date: 4/1/2015					

Photo 2 of 2 : UCIP\_FA\_2016\_44105\_73585.jpg



WS slope. pipe not visible.

LM Start	2.38	Rating **	M	Issue No.	20
LM End	2.38	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41160 DS_ID:19011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind headwall. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with 8-inch siphon breaker pipe at the landward toe. FS Date: 4/17/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_41160\_19922.jpg



WS- CMP riser on levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	2.38	Rating **	M	Issue No.	20 (cont)	
LM End	2.38	Issue Type +	En	Location *	N/A	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.990705 °	38.990705 °	
				-121.463377 °	-121.463377 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41160 DS_ID:19011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present behind headwall. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with 8-inch siphon breaker pipe at the landward toe. FS Date: 4/17/2013						

Photo 2 of 2 : UCIP\_FA\_2016\_41160\_19921.jpg



WS- inside CMP riser with air vent and slide gate.

LM Start	3.63	Rating **	A/W	Issue No.	17
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.992774 °	38.992774 °
				-121.441323 °	-121.441323 °
DWR ID	DWR_RD0817_02_f_2016_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/19/2016 10/19/2016	Sterling York

LM Start	3.73	Rating **	C	Issue No.	6
LM End	3.83	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.992656 °	38.993209 °
				-121.439508 °	-121.437772 °
DWR ID	DWR_RD0817_02_f_2013_6				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Separation line in the soil on the landward side between the clay and the sand of the slurry wall has been fixed and no longer an issue, Fall 2016.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 0817 Carlin**

Waterway			Bank	Unit Miles
Unit No. 03 South Dry Creek			Right	1.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/26/2016 - 4/26/2016		10/19/2016 - 10/19/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.25	Rating **	M	Issue No.	17
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987626 °	38.996896 °
				-121.506567 °	-121.491926 °
DWR ID	DWR_RD0817_03_f_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_17\_20161025\_00029.jpg



View of annual grasses that need to be maintained on the waterside looking downstream. Fall 2016.

LM Start	0.25	Rating **	M	Issue No.	16
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987626 °	38.996896 °
				-121.506567 °	-121.491925 °
DWR ID	DWR_RD0817_03_f_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_16\_20161025\_00028.jpg



View of annual grasses that need to be maintained on the landside looking downstream. Fall 2016.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.27	Rating **	M	Issue No.	23
LM End	0.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506271 °	-121.506271 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50231 DS_ID:22949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall (no headwall found in 2016) on waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 21+35). As-built dwg. 2-4-106, Sheet 2 (Station 21+35)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual. FS Date: 6/30/2016 9:02:00 AM					

Photo 1 of 2 : UCIP\_FA\_2016\_50231\_54271.jpg



Pipe at LS toe

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2016\_50231\_54270.jpg



Outlet in brush at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.27	Rating **	M	Issue No.	20
LM End	0.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506283 °	-121.506283 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42686 DS_ID:19025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: A 20-inch CM drainage pipe through levee. Flap Gate on WS levee toe. O&M Manual Sac 145, August 1955. FS Date: 4/17/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_42686\_19927.jpg



LS- overview of CM drainage pipe on toe of the levee.

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2016\_42686\_19926.jpg



LS- CM drainage pipe on toe of the levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.54	Rating **	U	Issue No.	22
LM End	0.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989915 °	38.989915 °
				-121.502113 °	-121.502113 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50230  
DS\_ID:22950  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 35+57). As-built drwg 2-4-106 Sheet 4 (Station 35+57)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:02:00 AM

LM Start	<b>0.54</b>	Rating **	U	Issue No.	<b>22 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_50230\_53849.jpg



Pipe on LS toe corroded through.

Photo 2 of 2 : UCIP\_FA\_2016\_50230\_53848.jpg



Pipe Heavily corroded throughout

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.55	Rating **	U	Issue No.	8
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989961 °	38.992220 °
				-121.502009 °	-121.498198 °
DWR ID	DWR_RD0784_06_f_2012_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense berry bushes along slope. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_8\_20161025\_00036.jpg



View of blackberry bushes that have taken over the landside slope looking upstream. Fall 2016.

LM Start	0.58	Rating **	C	Issue No.	7
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990201 °	38.990201 °
				-121.501522 °	-121.501522 °
DWR ID	DWR_RD0784_06_f_2012_7				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berries and saplings on the slope have been removed from this location, Fall 2016.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.58	Rating **	M	Issue No.	4
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.990219 °	38.990219 °
				-121.501483 °	-121.501483 °
DWR ID	DWR_RD0817_03_s_2015_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_4\_20161025\_00035.jpg



View of trees that need limbs to be trimmed for access and visibility, Fall 2016.

LM Start	0.68	Rating **	C	Issue No.	18
LM End	0.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.991071 °	38.991071 °
				-121.499904 °	-121.499904 °
DWR ID	DWR_RD0817_03_s_2016_18				
Comment Code					
TR : Tree or limb					
Inspector Comment					
This large Oak tree that had fallen on the landside slope has been removed. Fall 2016.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.68	Rating **	U	Issue No.	24
LM End	0.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50232  
DS\_ID:22951  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS). 56 by 34-inch concrete inlet box on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 43+17). As-built drwg. 2-4-106 Sheet 4 (Station 43+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:03:00 AM

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.68</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_50232\_53854.jpg



Pipe and flapgate at WS toe blocked by debris.

Photo 2 of 2 : UCIP\_FA\_2016\_50232\_53853.jpg



Holes in pipe at broken flapgate on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.69	Rating **	M	Issue No.	21
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991082 °	38.991082 °
				-121.499888 °	-121.499888 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41163					
DS_ID:19020					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Cleaning of debris on both sides of the levee required.					
FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through the levee, 20.0 feet below the crown. Flap gate on the waterward end.					
O&M Manual Sac 145, August 1955.					
FS Date: 4/16/2013					

LM Start	<b>0.69</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.69</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_41163\_19942.jpg



WS- CM pipe, flap gate and debris.

Photo 2 of 2 : UCIP\_FA\_2016\_41163\_19941.jpg



WS- overview of CM pipe, flap gate and debris.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	0.77	Rating **	M	Issue No.	19
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.991879 °	38.991879 °
				-121.498688 °	-121.498688 °
DWR ID	DWR_RD0817_03_f_2016_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_19\_20161025\_00034.jpg



View of trees that need limbs to be trimmed for access and visibility, Fall 2016.

LM Start	0.85	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.992669 °	38.996885 °
				-121.497525 °	-121.491956 °
DWR ID	DWR_RD0784_06_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
Wire fence at levee toe. Fall 2016.					

Photo 1 of 1 : FA\_2016\_RD0817\_14\_15\_20161025\_00033.jpg



View of fence at landside toe looking downstream. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	1.18	Rating **	U	Issue No.	25
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50234  
DS\_ID:22952  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD\_STRUCT\_DESC: \*ABANDONED\* 20-inch (not 18-inch as referenced in the O&M Manual) corrugated metal drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch pipe with annular space left void. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 69+17). As-built drwg. 2-4-106 Sheet 4 (Station 69+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:06:00 AM

LM Start	<b>1.18</b>	Rating **	U	Issue No.	<b>25 (cont)</b>
LM End	<b>1.18</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_50234\_53857.jpg



Pipe on LS toe with 8-inch PVC pipe sticking out.

Photo 2 of 2 : UCIP\_FA\_2016\_50234\_53856.jpg



Pipe cut behind flap gate on WS toe with 8-inch PVC.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0817 Carlin

## Reclamation District No. 0817 Carlin



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/19/2016 10/19/2016	Sterling York

LM Start	1.29	Rating **	U	Issue No.	26
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997048 °	38.997048 °
				-121.491743 °	-121.491743 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50235  
DS\_ID:22953  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Sink hole still exists over pipe on LS. LS and WS heavily vegetated and barely accessible. WS end is sleeved with a heavily rusted CMP. Flapgate is clear and functional. (K. Fazel - UCIP)12/17/2015 WS accessible, but LS no longer accessible due to heavy vegetation. (T. Hatch - UCIP)03/25/2013 Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 18-inch corrugated metal drainage pipe (CMP) angled through the levee, approximately 15 feet below the crown. Steel pipe sleeved through the CMP with annular space grouted (grout only on the waterside (WS)). Flap gate on the WS end. Pipe alignment is from the west of the intersection of 40 Mile Road and 45 degrees to the WS. Outlet is on the eastern side of 40 Mile Rd (looking upstream).  
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 74+72). As-built drwg. 2-4-106 Sheet 4 (Station 74+72)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:08:00 AM

LM Start	<b>1.29</b>	Rating **	<b>U</b>	Issue No.	<b>26 (cont)</b>
LM End	<b>1.29</b>	Issue Type +	<b>En</b>	Location *	<b>WS</b>

Photo 1 of 2 : UCIP\_FA\_2016\_50235\_53859.jpg



Pipe at inlet on LS toe.

Photo 2 of 2 : UCIP\_FA\_2016\_50235\_53858.jpg



Sinkhole or animal burrow over pipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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